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KWON et al.(10) **Pub. No.: US 2017/0033838 A1**(43) **Pub. Date: Feb. 2, 2017**(54) **COMMUNICATION SYSTEM USING
WIRELESS POWER**(71) Applicant: **SAMSUNG ELECTRONICS CO.,
LTD.**, Suwon-si (KR)(72) Inventors: **Ui Kun KWON**, Hwaseong-si (KR);
Sang Joon KIM, Seoul (KR)(73) Assignee: **SAMSUNG ELECTRONICS CO.,
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ABSTRACT

Provided are a devices, systems and methods for performing communication using wireless power. According to one general aspect, a communication device using wireless power may include: a controller configured to control mutual resonance between a target resonator and a source resonator; a demodulator configured to demodulate information transmitted from the source resonator based on an amount of energy received from the source resonator; and a modulator configured to modulate information based on the mutual resonance.

